

**F 01 M LUBRICATING OF MACHINES OR ENGINES IN GENERAL** (lubricating in general [F 16 N](#)); **LUBRICATING INTERNAL-COMBUSTION ENGINES; CRANKCASE VENTILATING [2]**

**Note**

Attention is drawn to the Notes preceding class [F 01](#), especially as regards Note (3).

**Subclass Index**

PRESSURE LUBRICATION .....	1/00	DETAILS, ACCESSORIES .....	11/00
SPECIAL LUBRICATION .....	3/00, 7/00, 9/00	CRANKCASE VENTILATION .....	13/00
LUBRICANT CONDITIONING .....	5/00		

**1/00 Pressure lubrication**

- 1/02 . using lubricating pumps (pumps in general [F 04](#); lubricating pumps per se [F 16 N](#))
- 1/04 . using pressure in working cylinder or crankcase to operate lubricant-feeding devices
- 1/06 . Lubricating systems characterised by the provision therein of crankshafts or connecting-rods with lubricant passageways, e.g. bores (crankshafts, connecting-rods, per se [F 16 C](#))
- 1/08 . Lubricating systems characterised by the provision therein of lubricant-jetting means
- 1/10 . Lubricating systems characterised by the provision therein of lubricant venting or purifying means, e.g. of filters (mounting of, connecting of, or constructional details of lubricant purifying means [11/03](#))
- 1/12 . Closed-circuit lubricating systems not provided for in groups [1/02](#) to [1/10](#)
- 1/14 . Timed lubrication ([1/08](#) takes precedence)
- 1/16 . Controlling lubricant pressure or quantity (rendering machines or engines inoperative or idling on lubricant-pressure failure [1/22](#))
- 1/18 . Indicating or safety devices (concerning lubricant level [11/06](#), [11/12](#))
- 1/20 . . concerning lubricant pressure (measuring fluid pressure in general [G 01 L](#))
- 1/22 . . . rendering machines or engines inoperative or idling on pressure failure
- 1/24 . . . . acting on engine fuel system
- 1/26 . . . . acting on engine ignition system
- 1/28 . . . . acting on engine combustion-air supply

**3/00 Lubrication specially adapted for engines with crankcase compression of fuel-air mixture, or for other engines in which lubricant is contained in fuel, combustion air, or fuel-air mixture** (separating lubricant from air or fuel-air mixture before entry into cylinder [11/08](#))

- 3/02 . with variable proportion of lubricant to fuel, lubricant to air, or lubricant to fuel-air mixture
- 3/04 . for upper cylinder lubrication only

**5/00 Heating, cooling, or controlling temperature of lubricant** (arrangement of lubricant coolers in engine cooling system [F 01 P 11/08](#)); **Lubrication means facilitating engine starting**

- 5/02 . Conditioning lubricant for aiding engine starting, e.g. heating
- 5/04 . . Diluting, e.g. with fuel

**7/00 Lubrication means specially adapted for machine or engine running-in**

**9/00 Lubrication means having pertinent characteristics not provided for in, or of interest apart from, groups [1/00](#) to [7/00](#)**

- 9/02 . having means for introducing additives to lubricant
- 9/04 . Use of fuel as lubricant
- 9/06 . Dip or splash lubrication
- 9/08 . Drip lubrication
- 9/10 . Lubrication of valve gear or auxiliaries
- 9/12 . Non-pressurised lubrication, or non-closed-circuit lubrication, not otherwise provided for

**11/00 Component parts, details, or accessories, not provided for in, or of interest apart from, groups [1/00](#) to [9/00](#)**

- 11/02 . Arrangements of lubricant conduits
- 11/03 . Mounting or connecting of lubricant purifying means relative to the machine or engine; Details of lubricant purifying means (filters [B 01 D](#)) [**3**]
- 11/04 . Filling or draining lubricant of or from machines or engines
- 11/06 . Means for keeping lubricant level constant or for accommodating movement or position of machines or engines
- 11/08 . Separating lubricant from air or fuel-air mixture before entry into cylinder (separating in general [B 01 D](#))
- 11/10 . Indicating devices; Other safety devices
- 11/12 . . concerning lubricant level (level indicators in general [G 01 F 23/00](#))

**13/00 Crankcase ventilating or breathing [2]**

- 13/02 . by means of additional source of positive or negative pressure [**2**]
- 13/04 . having means for purifying air before leaving crankcase, e.g. removing oil [**2**]
- 13/06 . specially adapted for submersible engines, e.g. of armoured vehicles [**2**]

